

KXOP, V

Yugoslavia (430)

Technology

Phosphoric acid as a starting substance for the production of ortho-, pyro-, meta-, and polyphosphates. p. 123, Nova Proisvodnja, Vol. 2, no. 2/4, August, 1951.

East European Accessions List, Library of Congress, Vol. 2, no. 3, March 1953.

UNCLASSIFIED

KNOP, /

Yugoslavia (430)

Technology

The production of monosodium-phosphate, sodium pyrometa-, and polyphosphates and their use. p. 48, Nova Proisvondnja, Vol. 2, no. 1/2, February 1952.

East European Accessions List, Library of Congress, Vol. 2, No. 3, March 1953

UNCLASSIFIED

KNOP, V

Yugoslavia (430)

Technology

Production of solutions for bonding iron wares. p. 75 Nova Proizvodnja, Vol. 2, no. 1/2, February 1952.

East European Accessions List, Library of Congress, Vol. 2, March 1953.

UNCLASSIFIED

KMOP, V.

"Production Of Disodium And Trisodium Phosphate", p. 127. (Nova Proizvodnja, Vol. 4, no. 2, Apr., 1953, Ljubljana.)

East European Vol. 2, No. 9,
SO: Monthly List of/Russian Accessions,/Library of Congress, September 1953, Uncl.

KNOP, V.

Necessity of introducing the production of high-temperature phosphates.
p. 31. (NOVA PROIZVODNJA, Vol. 5, no. 1, May 1954, Ljubljana, Yugoslavia)

SO: Monthly list of East European Accessions, (EAL), LC, Vol. 4, no. 1
Jan. 1955, Uncl.

MAGIYEV, M.F.; SHAKHTATINSKIY, T.N.; KANDALOVA, Y.D.; KNOFF, L.A.

Applying the theory of recirculation processes to the
development of complete flow systems for the production of
polymer compounds. Azerb.khis.shur. no.1:3-10 '59.
(MIRA 13:6)

(Polymers)

MAGIYEV, M.F.; MAMEDOVA, A.D.; KULIYeva, V.Q.; KNOFF, L.A.

Investigating the reaction of ethylene hydrochlorination over
aluminum-bismuth catalysts. Dokl. AN Azerb. SSR 15 no. 3:213-2
'59. (MIRA 12:5)

1. Institut nefti AN Azerb. SSR.
(Ethylene) (Hydrochloric acid) (Aluminum) (Bismuth)

KLONOWSKI, Z. & KNOFF, H.

POLAND

"Red Lead Paints and a Quick Method of Their Determination," Przemysl Chemiczny, No. 3, 1956.

KNOPF, M.
Poland/Chemical Technology. Chemical Products and Their Application -- Lacquers.
Paints. Drying oils. Siccatives, I-22

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 6217

Author: Klonowski, Z., Knopf, M.

Institution: None

Title: Paints Containing Red Lead and a Rapid Method for Their Evaluation

Original
Publication: Przem. chem., 1956, 12, No 1, 43-47

Abstract: Description of the properties of red lead (I) to which is attributed the inhibiting effect of coatings containing I, on progress of electrochemical corrosion of iron. New formulas of paints containing I have been developed. Content of I in the paints has been reduced from 85% to 51 and 34%, depending on the intended use of the paint. Procedures utilized heretofore for testing corrosion inhibiting paints, are characterized. The underlying principle of the proposed method of testing consists in carrying out determinations of the potential of a steel electrode, coated with the paint, as a function of time.

Card 1/2

Poland/Chemical Technology. Chemical Products and Their Application -- Lacquers.
Paints. Drying oils. Siccatives, I-22

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 6217

Abstract: There are described the apparatus, measuring procedure, preparation of the surfaces and painting of the steel electrodes. The electrode is in the shape of a rod. Evaluation of the results of tests is done on the basis of the curve showing change in potential values with time; very good anti-corrosion properties of the paints being characterized by a very rapid initial increase of the potential, for instance from -100 to 0 mv, after which the curve becomes horizontal. Good properties of the paints are characterized by a gradual increase of the potential, for instance from -200 to -100 mv, followed by a gradual and slight decrease thereof with time. Satisfactory properties are indicated by a rapid drop of potential which becomes stabilized, thereafter, at its lower value (for instance from -100 to -350 mv). Poor qualities are characterized by a low value of the potential, for example of -500 to -600 mv. An anomalous course is observed on use of passivating pigments soluble in water. Examination of changes in external appearance of the coatings helps in the interpretation of the results of potentiometric determinations.

Card 2/2

KNOPF, M.

SCIENCE

Periodicals: CHEMIK. Vol. 11, no. 11, Nov. 1958.

KNOPF, M. Review of achievements of the Polish paint and lacquer industry in economising the redlead content of anticorrosive paints. p. 349.

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 4, April 1959,
Unclass.

KNOPF, Marian; POLACZY, Jerzy

Potentiometric studies of zinc paints. Polimery tworzą wielk
8 no. 11: 423-426 N '63.

1. Instytut Farb i Lakierów, Gliwice.

JABLONSKI, Hugon; KNOPF, Marian; KOZAK, Wladyslaw

Cyclisation of natural rubber in phenol solution.
Polimery twora.wielk 9 no.11:471-474 N '64.

1. Institute of Paints and Lacquers, Gliwice (for Knopf).
2. Department of Technology of Organic Chemistry of the Technical University, Gliwice.

Knoepfelmacher, E.

CZECHOSLOVAKIA/Safety Engineering. Sanitary Engineering.
Sanitation.

L

Abs Jour: Ref Zhur-Khimiya, No 3, 1957, 10699

Author : Knoepfelmacher, E.

Inst : Not given

Title : An Unusual Case of Acute Hydrogen Sulfide Poisoning
in the Chemical Industry

Orig Pub: Pracovni lekar., 1956, Vol 8, No 2, 118-119 (in Czech)

Abstract: A severe case of H_2S poisoning is described in which the
the gas seeped in through a sewer. Among the symptoms
observed were loss of consciousness, loss of pupillary
reflexes, hoarseness, and foaming at the mouth; heart
activity was not impaired. On the fourth day after the
poisoning, the patient was in good condition, though
symptoms of damage to the peripheral nervous system and
the vestibular apparatus was observed, as well as dys-
arthritic speech, etc. The treatment is described.
Complete recovery was attained after five months.

Card 1/1

Zavodni lekar zar. DUKLA HCHZ, N.P. OSTRAVA X

~~KNOPFELMACHER, E. Dr.~~

ROSMANITH, J. Dr.; ~~KNOPFELMACHER, E. Dr.~~

Another case of pneumoconiosis caused by barium sulphate. Pracovní
lek. 9 no.2:140-142 Apr 57.

1. Oddelení chorob z povolání KUMZ v Ostravě, vedoucí lékař MUDr.
J. Rosmanith.

(PNEUMONIOSIS, etiol. & pathogen.

barium sulphate (Cs))

(BARIUM, inj. eff.

barium sulphate causing pneumoconiosis (Cs))

(SULPHATES, inj. eff.

same)

~~KNOFFELMACHNER, E.~~
ROSMANITH, J. Dr.; VOLF, J. Dr.; KNOFFELMACHNER, E., Dr.

Diseases of respiratory tract in workers of sulfuric acid industry.
Pracovní lek. 9 no.5:410-416 Nov 57.

1. Oddelení chorob z povlání KUMZ v Ostravě. Vedoucí lékař Dr. J. Rosmanith
Oddelení hygieny práce KUMZ v Ostravě. Vedoucí lékař Dr P. Pachner.
(SULFURIC ACID, inj. eff.

Resp. tract dis. in workers (Cs))

(RESPIRATORY TRACT, dis.

occun., in sulfuric acid indust. (Cs))

(OCCUPATIONAL DISEASES

resp. tract dis. caused by sulfuric acid (Cs))

CZECHOSLOVAKIA / Chemical Technology. Chemical Prod- H-6
ucts and Their Application. Safety
and Sanitation.

Abs Jour: Ref Zhur-Khimiya, No 1, 1959, 1772.

Author : Ruzicka, J., Knopfelmacher, E.

Inst : Not given.

Title : A Case Concerning Mass Poisoning With Hydrogen
Sulfide.

Orig Pub: Pracovni lekar., 1958, 10, No 1, 52-54.

Abstract: A case of mass poisoning with hydrogen sulfide
is described, which was caused by damaged her-
metic seals in the equipment employed for manu-
facturing titanium pigments. Two persons died
(on the first and fourth day) as the result of
the poisoning. While hospitalized, they were
unconscious, had tonic clonospasms, in lungs —

Card 1/3

CZECHOSLOVAKIA / Chemical Technology. Chemical Products and Their Application. Safety and Sanitation. H-6

Abs Jour: Ref Zhur-Khimiya, No 1, 1959, 1772.

Abstract: diffuse ronchus, their pulso was weak, blood pressure 120/90 in one case and 120/80, 140/110 in the second case; in blood (in the first case) 5250000 erythrocytes, hemoglobin 100%, bilirubin 1.0, leucocytes 9,500. The body temperature was 38°C. The autopsy revealed: asphyxia, brain edema, in one case lung edema was found, in the other case — broncho pneumonial centers, hyperplasia of stomach mucosa. Among the five other casualties was noted dyspnea, fatigue, dizziness, cough pressure in the chest, headache, soreness of abdomen. After 3 weeks the injured complained of nausea, weakness, insomnia, irritability, ache

Card 2/3

20

CZECHOSLOVAKIA / Chemical Technology. Chemical Products and Their Application. Safety and Sanitation. H-6

Abs Jour: Ref Zhur-Khimiya, No 1, 1959, 1972.

Abstract: in the lower limbs. An increased psychic reactivity was noted. The first patient developed eczematous blepharoonjunctivitis. --
T. Brozhevskaya.

Card 3/3

CHOWANIEC, Tadeusz; KNOPINSKI, Stanislaw

Additional signs of trypanosomiasis in cytological smears.
Ginek. Pol. 35 no.5:677-680. S-3 '64.

1. Z Wojewódzkiej Poradni Onkologicznej w Opolu (kierownik:
lek. med. S. Knopinski).

KNOPKOV, A., polkovnik

Deploying tank units at night. Voen.vest. 39 no.8:6-10 Ag '60.
(Tank warfare) (Night fighting (Military science)) (MIRA 14:2)

EXCEPTA MEDICA Sec 6/Vol 13/6 Internal Medicine June 59

3224. THE FUNCTIONAL CAPACITY OF THE LIVER IN VARIOUS FORMS OF RHEUMATISM IN CHILDREN (Russian text) - Knopko A.I. - VOPR. REVMATIZMA (Novosibirsk) 1957 (252-258)

The carbohydrate metabolism of the liver, its detoxicating function and the formation of prothrombin in it were studied in 25 children with rheumatism (15 without circulatory disturbances, 9 with cardiovascular insufficiency of the 2nd or 2nd and 3rd degrees, and 5 with severe chorea). All the patients showed disturbance of the functional activity of the liver, mainly in respect of the antitoxic function and prothrombin-forming functions and to a small extent in the regulation of carbohydrate metabolism. These changes were especially evident during the active rheumatic phase with marked circulatory disturbances. Continuous observation showed that recovery of the disturbed liver function in rheumatism occurs slowly, and often even before discharge of the patient from hospital when the results of functional tests of the cardiovascular apparatus show absence of disturbance of the haemodynamics. For an impartial and objective evaluation of the condition of patients with rheumatism, investigation of the liver prior to discharge is advisable.

(3)

KNOPOV, A I

KNOPOV, A. I.

Lead poisoning with manifestations of cardio-vascular disorders of toxic origin. Ter. arkh. 22:3, May-June 30. p. 55-8

1. Of the Clinic (Scientific Director—Prof. S. M. Gerkin) of the Institute of Labor Hygiene and Occupational Diseases of the Academy of Medical Sciences (Director—Corresponding Member of the Academy of Medical Sciences Prof. A. A. Letavet) and of the Department of Occupational Diseases (Director—V. P. Lebedeva) of the Central Institute for the Advanced Training of Physicians.

UML 19, 5, Nov., 1930

КНОПОВ, А.И., канд.мед.наук (Москва)

~~Удаление~~ lesions in lead colic. Vrach.delo no.10:1059-1061 0'58

(MIRA 11:11)

(LEAD POISONING)

(HEART-DISEASES)

CZECHOSLOVAKIA

STOLC, V., ~~KNOPP, J.~~ Endocrinological Institute, Slovak Academy of Sciences, (Endokrinologický Ústav SAV), Bratislava.

"Concentration of Iodine in the Thyroid, in Serum and the Occurrence of Iodized Substances in Thyroid at Different Development Ages in Rats."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 2, Feb 66, p 103

Abstract: During the third week of life the relative content of I in the thyroid decreases, while in the serum it increases. The content of di-iodo-tyrosine in the thyroid increases, mono-iodotyrosine does not change, while the content of thyroxin and tri-iodothyronine decreases. 1 Western, 2 Czech references. Submitted at "16 Days of Physiology" at Kosice, 29 Sep 65.

1/1

- 143 -

CZECHOSLOVAKIA

~~KNOPP, J.~~ STOLC, V; Endocrinological Institute, Slovak Academy of Sciences (Endokrinologický Ústav SAV), Bratislava.

"Influence of TSH in Vivo on Autoiodoproteolysis of I127 Thyroglobulin in Vitro."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 2, Feb 66, pp 103-104

Abstract: Thyrotrophic hormone Ambion N.V. Organon was administered to male rats chronically or only once. Simultaneously an I131-containing compound was also administered. The one-dose administration resulted in an increased level of I in the serum. Chronic administration caused I131 accumulation by the thyroid, a decreased I127 concentration in the thyroid, increased serum I level, reduced I127 thyroglobulin proteolysis and an increase in the weight of the thyroid. 1 Western, 1 Czech reference. Submitted at "16 Days of Physiology" at Kosice, 28 Sep 65.

1/1

КНОПОВ, А.Л., aspirant.

Concerning prices of mill-residues. Bus. prom. 32 no.7:22 J1 '57,
(MIRA 10:11)

1. Kafedra ekonomiki Leningradskogo tekhnologicheskogo instituta,
(Wood waste)

KNOPOV, A.L.

KNOPOV, A.L.; KOGAN, B.L.; SINITSYN, M.P.; SOMINSKIY, V.S.; KHEVCHENYA, L.I.

"Planning production in woodpulp enterprises" by A.V.Chirkov.

Reviewed by A.L.Knopov and others. Dum.prom.32 no.8:31-32

Ag '57.

(MIRA 10:12)

(Woodpulp industry)

(Chirkov, A.V.)

КНОПОВ, А.Л. - преподаватель

Unfortunate misprints in a useful book. "Complete utilization of wood in the industry" by A.B. Dainovskii, M.N. Kuklin. Reviewed by A.L. Knopov. Dum.prom. 35 no.10:31 0 '60. (MIRA 13:10)

1. Leningradskiy tekhnologicheskii institut tsellyulozhnoy promyshlennosti.
(Wood-using industries)

KNOPOV, Aleksandr I. Lvovich; SOMINSKIY, V.S., red.; ZLOTNIKOVA, Ye.A.,
red. isd-va; SHIBKOVA, R.Ye., tekhn. red.

[Problems of combining production processes in the cellulose
and paper industry] Voprosy kombinirovaniia proizvodstva v tsel-
lulozno-bumazhnoi promyshlennosti. Pod red. V.S.Sominskogo.
Moskva, Goslesbumizdat, 1962. 177 p. (MIRA 15:7)
(Woodpulp industry) (Paper industry)

RUSTAMOV, Uzbek Agzamovich, kand.istor.nauk; PIKULIN, M.G., kand.ekon.
nauk, otv.red.; KNOPOV, B.I., red.; BARTSEVA, V.P., tekhn.red.

[Modern Kashmir; studies in the history, economics and culture]
Sovremennyi Kashmir; issledovaniia istorii, ekonomiki i kul'tury.
Tashkent, Izd-vo Akad.nauk Uzbekskoi SSR, 1960. 158 p.

(Kashmir)

(MIRA 13:12)

UL'MASOV, Akhmed Ul'masovich; DEHAMALOV, O.B., prof., doktor ekon.nauk,
otv.red.; KIROV, E.I., red.; BARTSEVA, V.P., tekhn.red.

[Nationalization of industry in Soviet Turkestan] Natsionalizatsiia promyshlennosti v Sovetskom Turkestan. Tashkent, Izd-vo Akad.nauk Uzbekskoi SSR, 1960. 155 p.

(MIRA 14:3)

(Turkestan--Government ownership)
(Turkestan--Industrial organization)

AUTHORS: Shukh, Ya.I. and Knopov, I.D.

68-58-5-6/25

TITLE: Group Pushing (Scheduling) of Ovens (Grupповaya vydacha pechey)

PERIODICAL: Koks i Khimiya, 1958, Nr 5, pp 24 - 26 (USSR).

ABSTRACT: At the Works, Nr 3 (old) and Nr 4 (new) batteries were operated on the same schedule. Due to the above, the coke produced from Nr 3 battery was non-uniform, under-coked charges and stickers often occurred. This necessitated some rearrangement of the pushing schedule, namely, Nr 3 battery was divided into 8 groups of 6 ovens and Nr 4 battery into 7 groups of 9 ovens, with coking time of 16.0 and 14.0 hours, respectively. In the scheduling of ovens, their state was taken into consideration. It is stated that with the introduction of "group pushing", conditions of servicing the batteries and the quality of coke improved. Group scheduling of ovens is recommended for coke oven works operating batteries of various ages and degrees of wear. There are 6 tables.

ASSOCIATION: Rutchenskiy koksokhimicheskiy zavod
Card 1/1 (Rutchenskiy Coke Oven Works)

KNOPOV, I.D.; KURAPOV, V.I.

Industrial testing of experimental gumite pastes. Koks i khim.
no.7:37 '63. (MIRA 16:8)

1. Rutohenkovskiy koksokhimicheskiy zavod.
(Gumite—Testing)

KNOPOV, M.Ye., inzh.-polkovnik

Making landing safe. Vest.Vozd.Fl. no.9:48-53 8'60. (MIRA 13:10)
(Airplanes--Landing)

L 14653-66 EWT(1)

ACC NR: AP6004249

SOURCE CODE: UR/0378/65/000/006/D059/0064

AUTHOR: Knopov, P. S.

ORG: none

3/
B

TITLE: Evaluating the spectrum of a uniform and isotropic Gauss field

SOURCE: Kibernetika, no. 6, 1965, 59-64

TOPIC TAGS: Gaussian distribution, field theory, probability theory

21144155

ABSTRACT: The author considers the problem of evaluating the spectral density and spectral function of a homogeneous and isotropic Gaussian stray field. A formula is found for the asymptotically unbiased estimate of the spectral density and the behavior of this function is studied. The estimates derived in this paper have a somewhat different structure from the estimates derived by other authors for these same functions in the case of a stationary process and a homogeneous stray field. In conclusion the author thanks A. Ya. Dorogovtsev for assistance in solving this problem. Orig. art. has: 1 figure, 5 formulas.

SUB CODE: 12/

SUBM DATE: 18Jul65/

ORIG REF: 002/

OTH REF: 001

Card 1/1

UDC: 519.21

2

КНОПОВ, Т. Б.

Fertilizers and Manures

Extra nutrition for winter crops. Kolkh.proisv. 12, No. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, June 1952, Uncl.

KNOPOV, T.B., agronom.

Make a wider use of local lime resources. Zemledelie 5 no.10:90-91
0 '57. (MIRA 10:11)

(Lime)

Knopov, T. B.

Country : USSR

Category: Soil Science. Mineral Fertilizers.

Abs Jour: RZhBiol., No 18, 1958, No 82124

Author : Knopov, T.V.

Inst

Title : Liming of Acid Soils and Amelioration of Solonchak and Loose Sands.

Orig Pub: Udobreniye i urozhay, 1957, No 11, 54-56

Abstract: In reports of scientists of the USSR and countries of the people's democracy on the conference on methods of utilization of fertilizers (Moscow, May, 1957), it was reported that lime (L) was more effective when it was put into the soil in combination with organic fertilizers and Mg. In this case the negative influence of L on a number of cultures was eliminated, the

Card : 1/2

J-25

Country : USSR

Category: Soil Science. Mineral Fertilizers.

Abs Jour: RZhBiol., No 18, 1958, No 82124

quality of agricultural production was increased with a sufficient amount of Mg and B in the soil, the mobility of microelements in the soil was changed, the harvest and quality of the hay of perennial grasses were raised. An excess of L was also harmful. A table shows the application of differential doses of L. New methods of amelioration of solonetz soils are reported; 'self-amelioration' or utilization of lower horizons of soil rich in lime and gypsum, addition of plain soil and other measures, and techniques of improvement of loose sands. -- B.D. Aleglan

Card : 2/2

GODUNOVA, K.N., kand.sel'skokhoyaystvennykh nauk; KNOPOV, T.V.

Effectiveness of manure-soil composts in the experiments of state
variety testing stations. Zemledelie 25 no.2:49-52 P '63.
(MIRA 16:5)

(Compost)

AZYAVCHIKOV, A.Ye., insh.; KNOPOV, V.L., insh.

IM-17 coating machine. Stroi. truboprov. 6 no.6:29 Je '61.
(MIRA 14:7)

(Gas pipes) (Protective coatings)

ACC NR: AP6015611

SOURCE CODE: UR/0020/66/169/002/0325/0322

AUTHOR: Starodubtsev, S. V. (Academician AN UzSSR); Pozharov, S. L.; Chernov, I. G.;
Knopov, V. M.

ORG: None

TITLE: Ionic composition of the positive column of the glow discharge in inert gases
at increased pressures

SOURCE: AN SSSR. Doklady, v. 168, no 2, 1966, 323-327

TOPIC TAGS: ion, complex ion, positive ion, glow discharge, glow discharge ion
composition

ABSTRACT: The present paper communicates some results of glow discharge studies in inert gases with the addition of mercury vapor, in the pressure range of from 5 to 50 mm Hg. Measurement were made with the use of a mass spectrometer constructed especially for the research on ionic processes at high pressures, described before by the authors (Izv. AN UzSSR, 4, 59; 1963). Glow discharge in helium and in argon was studied. The partial pressure of mercury was in both cases approximately 10^{-3} mm Hg. Helium underwent a preliminary purification by adsorption in liquid air cooled silica gel. Previous work by these writers (Doklady AN SSSR, 163, No.1, 155; 1955), has established the development of conditions favorable to the occurrence and stabilization of complex ions. These occurred at pressures over 5 mm Hg. At lower pressures, the complex ions

Cord 1/2

UDC: 537.525

ACC NR: AP6015611

were, as a rule, not observed. Numerous results of the present research are discussed, with comments and interpretation of possible causes. The main point of interest is the discovery of a heavy complex ion, with a mass spectrometer record peak corresponding to mass number 404, and a 1% intensity relative to the Ar^+ peak. This heavy ion was identified as the Hg^+ molecular complex ion. A considerable content of ions with a mass number of 9 was also observed; this was interpreted as the He_2H^+ complex ion. Orig. art. has 9 formulas.

SUB CODE: 20/

SUBM DATE: 11Oct65/

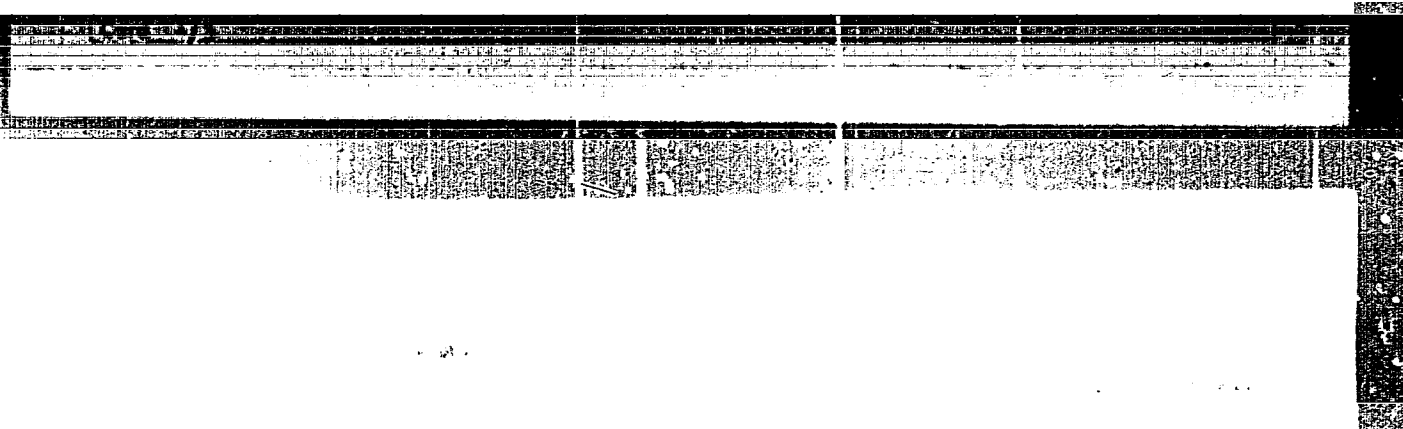
ORIG REF: 002/

OTH REF: 007

Card 2/2

"APPROVED FOR RELEASE: 06/19/2000

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APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320015-8"

Card 3/3

ACC No: K10028307

SOURCE CODE: U:/0106/00/000/003/0049/0053

AUTHOR: Starodubtsev, S. V.; Knopov, V. M.; Pozharov, S. L.; Chernov, I. G.

ORG: Institute of Nuclear Physics AN UzSSR (Institut yadernoy fiziki AN UzSSR)

TITLE: Mass-spectrometric investigation of the anode parts of increased-pressure hydrogen glow discharge

SOURCE: AN UzSSR. Izvestiya. Seriya fiziko-matemeticheskikh nauk, no. 3, 1966, 49-53

TOPIC TAGS: gas discharge plasma, glow discharge, gas discharge spectroscopy, electric discharge ionization, hydrogen ion, electron recombination

ABSTRACT: To check on the efficiency of formation of heavy ion clusters in a gas-discharge plasma at pressures higher than used by other workers (0.1 - 1.0 mm Hg), the authors investigated the ions drawn out from the anode region of hydrogen discharge at pressures 5 - 18 mm Hg. The apparatus was described earlier (Izv. AN UzSSR, seriya fiz.-mat. nauk 1963, no. 4, p. 59). The ions were extracted through an opening in the anode (extraction channel 75 μ dia, 70 μ long). No stable ion current could be produced at pressures higher than 18 mm Hg. The obtained plot of the total ion current against pressure exhibited a periodic variation indicating that the glow discharge was stratified and that the strata moved relative to the anode with change in pressure. The measurements show that the most intense component of the current is due to H_3^+ at all pressures. H_1^+ , H_2^+ , and ions with masses 4 and 5 were also observed. The mass-5 cluster is positively identified as H_5^+ , while the ion with mass 4 is identified as

Card 1/2

L 09345-67

ACC NR: AP6028307

H_2D^+ , but only tentatively, in view of its very low content. Plots of the various components against pressure and discharge current are presented and interpreted. The most favorable conditions for the formation of H_2^+ lie in the pressure range 5 - 9 mm Hg. The near-hyperbolic decrease of the H_2^+ component with increasing discharge current is evidence of effective recombination with electrons in the discharge. Orig. art. has: 5 figures, 1 formula, and 1 table.

SUB CODE: 20/ SUBM DATE: 03Mar65/ ORIG REF: 001/ OTH REF: 009

Card 2/2

ACC NR: AP7004808

SOURCE CODE: UR/0413/67/000/001/0146/0146

INVENTOR: Ageykin, D. I.; Kusnetsova, N. N.; Kropov, Yu. T.

ORG: None

TITLE: A signalling pickup. Class 74, No. 190236 (announced by the Institute of Automation and Telemechanics [Technical Cybernetics] [Institut avtomatiki i teleme-khaniki (tekhnicheskoy kibernetiki)])

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 1, 1967, 146

TOPIC TAGS: signal element, remote control, electric equipment

ABSTRACT: This Author's Certificate introduces: 1. A signalling pickup which contains a sensitive element, lever transmission and force compensation unit. To provide a wider range of applications, the unit is equipped with two adjustable-tension springs and a double null indicator. The output circuit of the force compensation unit is connected to a secondary measuring device. 2. A modification of this pickup with independent control of the null indicators. One of the springs is connected to an auxiliary lever which is pressed against a stop by a second spring fastened to the pickup frame. The power lever acts against a lug on the auxiliary lever to move it away from the stop.

Card 1/2

UDC: 681.2.083.8:531.767.9

Card 2/2

КНОПОВА, Л.Д., научный сотрудник.

**Wastes of raw materials during production of pastries, cakes, and
shortcakes and ways of reducing them.**

no.9:109-119 '54.

(Confectionery) (Pastry)

**Trudy VNIIT
(MIRA 7:8)**

КРОПОВА, Л.Д.

Processes taking place in stacked wafers during the time required
for even moisture distribution. Khleb.i kond.prom. 1 no.6:11-14 Je
'57. (MIRA 10:8)

1.Vsesoyuznyy konditerskiy nauchno-issledovatel'skiy institut.
(Baked products)

KNOPOVA, L. D. Cand Tech Sci -- (diss) "Study of basic processes of the production of wafers." Mos, 1958. 20 pp with illustrations (Min of Higher Education USSR. Mos Technological Inst of Food Industry), 150 copies (KL, 52-58, 102)

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КНОПОВА, Л.Д.

Optimum technological regime for the preparation of cut-out
pastry under mechanised production conditions. Trudy VNIIT
no.14:81-86 '59. (MIRA 14:5)
(Pastry)

KNOPP, J.; STOLC, V.; NEMETH, S.

Experiences with the stability of protein-bound and total iodine
in the serum. Bratisl. lek. listy 45 no.2:113-115 31 J1 '65.

1. Endokrinologický ústav Slovenskej akadémie vied v Bratislave
(riaditeľ MUDr. J. Podoba, CSc.).

STOLC, V.; MACHO, L.; LANGER, P.; KUTKA, M.; STUKOVSKY, R.; KNOPP, J.

Secretion of hormonal iodine by the thyroid, the amount of iodide in the organism and other parameters of iodine metabolism in rats after different amounts of fat and iodine. *Physiol. Bohemoslov.* 13 no.4:341-350 '64.

1. Institute of Endocrinology of the Slovak Academy of Sciences, Czechoslovak Academy of Sciences, Bratislava.

KNOPP, J.; STOLC, V.

Autoliodoproteolysis of ^{127}I -thyroglobulin in vitro. Physiol.
Bohemoslov. 14 no.2:186-190 '65.

1. Institute of Endocrinology, Slovak Academy of Sciences,
Bratislava.

STOLC, V.; LANGER, P.; MACHO, L. KUTKA, M.; KLOPP, J.

Relationship between thyroidal iodide transport, biogenesis of the thyroid hormones and different fat and iodine intakes in rats. *Physiol. Bohemoslov.* 13 no.4:351-357 '64.

J Institute of Endocrinology of the Slovak Academy of Sciences, Czechoslovak Academy of Sciences, Bratislava.

IVASHIN, Nikolay Antonovich; KNOPP, Lazar' Mikhaylovich;
SURGUCHEV, Vasily Andreyevich; ZLOBINA, Z.P., red.

[Operation of communication and signaling systems in
fire prevention] Eksploatatsiya pozharnoi svyazi i
signalizatsii. Moskva, Stroizdat, 1964. 170 p.
(MIRA 17:12)

ANOPPE A.G.

DOLGO-SOBOUROV, B.A., professor, redaktor; GEMIL'SKIY, N.L., redaktor;
GRIGOR'YINA, T.A., redaktor; YELISHEV, V.G., redaktor; ZHDANOV,
D.A., redaktor; ~~KHOPPE~~ A.G., redaktor KUPRIYANOV, V.V., redaktor;
MIKHAYLOV, V.P., redaktor; PRIVISA, M.G., redaktor; STUDITSKIY, A.N.,
redaktor; SHCHERBUNOVA, S.I., redaktor; KHARASH, O.A., tekhnicheskiy redaktor

[Problems in the morphology of the nervous system] Problemy morfologii
nervnoi sistemy [Leningrad] Gos. izd-vo med. lit-ry, Leningradskoe
otd-nie, 1956. 179 p.
(MIRA 10:2)

1, Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for
Dolgo-Soburov)
(NERVOUS SYSTEM)

MILOVSKIY, A.V.; KNOPPE, K.O.

Absolute age of the metamorphic rocks and granitoids of the
Mugodshar Hills according to data of potassium-argon dating.
Vest.Mosk.un.Ser.4:Geol. 20 no.5:44-56 3-0 '65.

(MIRA 18:11)

1. Kafedra geokhimii Moskovskogo gosudarstvennogo universiteta.

J. Am. Chem. Soc. 56, 284 (1934)) in the 1100 to 1500 K temperature range,

but gives enhanced values for the rate constant at higher temperatures, and does not account for the inhibition experimentally found. The proposed mechanism is based on the temperature and time relationship of the reaction, and the calculated values for the rate constant of thermal decomposition are compared with the experimental data.

144783-65

ACCESSION NR AP4049605

... disregards important reactions, or that the reaction of state's reported
... sufficiently enough determined. The above was provided
... G. Shko ...

ASSOCIATION: Energeticheskiy Institut Im. G. M. Krzhizhanovskogo
(Power Institute)

RECEIVED: 19Oct63

ENCLOSURE

NOV 1963

L 00166-66 EPT(c)/ENP(j)/EWA(c) RPL RM/JW
ACCESSION NR: AP5025525

CZ/0043/65/000/005/0353/0359

AUTHOR: Antos, K. (Antosh, K.) (Docent, Engineer, Candidate of sciences);
Stullerova, A. (Shtullerova, A.) (Graduate chemist); Knoppova, V. (Engineer);
Kristian, P. (Engineer, Candidate of sciences)

TITLE: Isothiocyanates (XIV). Preparation and properties of some substituted
benzylisothiocyanates

SOURCE: Chemické zvesti, no. 5, 1965, 353-359

TOPIC TAGS: isocyanate, thiocyanate, IR spectrum, IR spectroscopy, spectrophotometric analysis, substituent

ABSTRACT: [Authors' English summary modified]: Synthesis of m- and p- substituted benzylisothiocyanates is described. Because the amines of the starting materials are sensitive to atmospheric carbon dioxide, the reaction must be conducted in a nitrogen atmosphere. The reaction medium is maintained slightly alkaline, and the amine is liberated by stepwise addition of a solution of NaOH. Spectrophotometric study of the reaction in ultraviolet light shows that the reactivity of various benzyl-

L 00166-66

ACCESSION NR: AP5025525

12
isothiocyanates differs only slightly when glycine is added to their solutions. The infrared spectra of the synthesized benzyl-isothiocyanates in the region of 2000 to 2200 cm^{-1} show that the values of ν_{asym} NCS agree well with the sigma sub 1 values of the individual substituents. Docent La. Drobná and Engineer J. Augustin are thanked for their advice and help in the kinetic measurements. Graduate chemist E. Solcaniova is thanked for measuring the infrared spectra." Orig. art. has: 3 graphs and 2 tables 445

ASSOCIATION: Katedra Organické Chemie Slovenskej Školy Technickej, Bratislava (Department of Organic Chemistry, Slovak Technical University)

SUBMITTED: 16Feb65

NR REF SOV: 000

ENCL: 00

OTHER: 018

4455
SUB CODE: CC, CP

JPRS

CC
Card 2/2

ANTOS, Kamil, doc., inz., CSc.; STULLEROVA, Alzbeta, prom. chem.; KNOPPOVA, Viera, ins.; KRISTIAN, Pavol, inz., CSc.

Isothiocyanates. Pt.14. Chem zvesti 19 no.5:353-359 '65.

1. Chair of Organic Chemistry of the Slovak Higher School of Technology, Bratislava, Janska ulica. Submitted February 16, 1965.

KNOX - P.
CZECHOSLOVAKIA/Chemical Technology - Chemical Products and **N-22**
Their Application. Treatment of Solid Mineral Fuels.

Abs Jour : **Ref Zhur - Khimiya, No 8, 1950, 26451**

Author : **Klima J., Klor P., Vitvern J.**

Inst : **The Czechoslovak Academy of Sciences**

Title : **Utilization of Coal-Hydrogenation Waste to Increase Production of City Gas During Periods of Peak Consumption.**

Orig Pub : **Paliva, 1957, 37, No 9, 301-306**

Abstract : **To determine the possibility of increasing production of city gas by means of an addition to gas-oven charge of tarry waste of coal hydrogenation, full-scale experimental runs were carried out in one chamber of a Didier type oven which was equipped with separate condensation unit. It is shown that optimal addition of waste amounts to 6-8% by weight of the charge, which resulted in an 11% increase of the gas yield with an increase of**

Card 1/2

KNOR, P.; NOVOHRADSKY, M.

Results of the research and the development of a catalyst for
city gas production from hydrocarbons. Paliva 44 no.5/6:156-
159 My-Je '64.

KNOR, F.; MACHACEK, Vl.; BOHM, Vlad.

Continuous city gas production from hydrocarbons on a circulating heat transmitter. Paliva 44 no.5/6:159-161 My-Je '64.

1. Research Institute of Fuels, Bechovice.

KLIMA, J., KNOR, F.

Examination of ground gas conversion and conversion catalysts.
Prace vyzkum paliv 4:142-168 '62.

KNOR, Z.

low gas pressures obtained by means of sorbents. Cheskosl
fis sburnal 13 no.4:302-306 '63.

1. Ustav fyzikalni chemie, Ceskoslovenska akademie ved, Praha.

Monthly List of East European Accessions (EEAI) LC, Vol.9, no.1, Jan.1960.

Uncl APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320015-8

KNOR, Z.

CZECHOSLOVAKIA // Physical Chemistry. Surface Phenom- B-13
ena, Adsorption, Chromatography.
Ion Exchange.

Abs Jour: Ref Zhur-Khimiya, No 23, 1958, 76846.

Author : ~~Knor, Z.~~ Kalousek, M., and Bohackova, V.

Inst : Not given.

Title : The investigation of Monolayers. VII. The De-
termination of Surface Viscosity by the Entrain-
ed Disc Method.

Orig Pub: Chem Listy, 51, No 6, 1036-1045 (1957) (in Czech).

Abstract: Two variants are proposed of the entrained disc
method for determining the surface viscosity of
liquids. For measurements in a circular canal
the formula of Fowkes [?] for the drag on a cy-
linder moving in a viscous medium bound by two
parallel surfaces is used. For free-surface

Card 1/8

Charles Univ,

Distr: 4E2c(m)

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MJC(SD)
1

18
Adsorption on evaporated metal films. I. Effect of the adsorption of the hydrogen on the electric capacity of metal films. V. Pasek and Z. Koc (Ústav fys. chem. CSAV, Prague). *Collection Czechoslov. Chem. Commun.* 25, 2618-18 (1960) (in German).—The elec. cond. of vapd. Ni films was measured during detn. of adsorption isotherms and isobars, for H₂ at temps. 78°, 200°, and 300° K. The pumping-off expts. and the course of the isobars indicate that the resistance increase of the film is due not only to particles adsorbed strongly on the pure surface but also to the remaining a nt that is adsorbed very weakly.

17

KNOR, Z., PONEC, V.

Adsorption of evaporated metal films. IV. Static measuring of gas adsorption. Coll Cs chem 26 no.2:579-589 F '61.

(KRAI 10:9)

1. Institut für physikalische Chemie, Tschechoslowakische Akademie der Wissenschaften, Prag.

(Metals) (Gases)

POHEC, V.; KNOR, Z.

Adsorption on evaporated metal films. II. Adsorption of hydrogen on evaporated nickel films coated with a specific amount of oxygen.
III. Effect of the condensation temperature of a film on its chemisorption properties. Coll Cz chem 26 no.1:29-51 Ja '61.
(KEAI 10:9)

1. Institut für physikalische Chemie, Tschechoslowakische Akademie der Wissenschaften, Prag.

(Chemisorption) (Hydrogen) (Nickel) (Oxygen)

KNOR, Z., PONEC, V.

Adsorption on damp metallic films. Part 5. Extent of adsorption of hydrogen on nickel. Coll Cs Chem 26 no.4:961-966 Ap '61.

1. Institut für physikalische Chemie, Tschechoslowakische Akademie der Wissenschaften, Prag.

(Nickel) (Hydrogen)

PONEC, V.; KNOR, Z.

Measurement of small surfaces by means of physical gas adsorption.
Coll Cs Chem 27 no.5:1091-1098 My '62.

1. Institut für physikalische Chemie, Tschechoslowakische
Akademie der Wissenschaften, Prag.

POMERO, V.; KNOR, Z.

Adsorption and catalytic reactions on evaporated metal films.
Part 6: The interaction of hydrogen and oxygen on nickel
films. Coll Cs Chem 27 no.6:1443-1449 Je '62.

1. Institute of Physical Chemistry, Czechoslovak Academy
of Sciences, Prague.

KNOR, Z; PONEC, V.

Czechoslovakia

Institute of Physical Chemistry, Czechoslovak Academy
of Science -- Prague - (for all)

Prague, Collection of Czechoslovak Chemical Communications,
No 4, 1963, pp 942-948

"Adsorption and Catalytic Reactions on Evaporated Metal
Films. VII. Adsorption of Krypton and Hydrogen on
Thermally Non-stabilized Nickel Films."

2

KNOR, Z.; PONEC, V.[Ponec, V.]; CERNY, S.[Cerny, S.]

Interaction between hydrogen and oxygen on evaporated
palladium films. *Kin. i krt.* 4 no.3:437-442 My-Je '63.
(MIRA 16:7)

1. Institut fyzikaleskoy khimii AN Chekhoslovatskoy Sotsialisti-
cheskoy Respubliki, Praga.
(Hydrogen) (Oxygen) (Palladium)

KNOR, Zlatko

Remark on P. Robos's article "Examination of gas adsorption in ultrahigh vacuum by field emission microscope."
Cs cas fys 13 no. 4: 337-338 '63.

1. Ustav fyzikalni chemie, Ceskoslovenska akademie ved, Praha.

PONEC, V.; KNOR, Z.; GERNY, J.

Adsorption and catalytic reactions on evaporated metal films. Pt.10.
Coll Cs Chem 29 no.12:3033-3043 D '64.

1. Institute of Physical Chemistry of the Czechoslovak Academy of
Sciences, Prague.

PONEC, V.; KNOR, Z.; CERNY, S.

Adsorption and catalytic reactions on evaporated metal films.
Pt.11. Coll Cs Chem 30 no.1:208-216 Ja '65.

1. Institute of Physical Chemistry of the Czechoslovak Academy
of Sciences, Prague. Submitted April 9, 1964.

L 1670-66 EMT(d)/EMP(v)/EMP(k)/EMP(h)/EMP(a)/EMA(h)/EMC(p)
 ACCESSION NR: AP5024377 (2/003)/64/000/005/0461/0483

AUTHOR: Knor, Klatho

TITLE: Equipment for automatic regulation of a constant level in liquid gases

SOURCE: Ceskoslovensky casopis pro fysiku, no. 5, 1964, 481-483

TOPIC TAGS: automatic control, automatic control system, industrial automation, liquid level instrument

ABSTRACT: Described is an equipment based on a modified principle as described by M. Feld and F. S. Klein. The design is simple and can be made of either glass or metal. Such an instrument made of glass and filled with air maintains the level of liquid nitrogen constant within the range of about ± 2 millimeters. Orig. art. has: 2 figures.

ASSOCIATION: Ustav fyzikalni chemie CSAV, Prague (Institute of Physical Chemistry CSAV)

SUBMITTED: 31 Jan 64
 NR REF 801: 000

INCL: 00
 OTHER: 018

SUB CODE: IE
 JPRS

Card 1/1 DP

CZECHOSLOVAKIA

KNOR, Z; PONEC, V

Institute of Physical Chemistry, Czechoslovak Academy
of Sciences, Prague (for both)

Prague, Collection of Czechoslovak Chemical Communications,
No 3, March 1966, pp 1172-1179

"Adsorption and catalytic reactions on evaporated metal
films. Part 12: Work function measurement."

L 31479-66 T/ENP(t)/ETI IJP(c) JD

ACC NR: AP6023161

SOURCE CODE: CZ/0008/65/000/011/1277/1294

AUTHOR: Knor, Zlatko

ORG: Institute of Physical Chemistry, CSAV, Prague (Ustav fyzikalni chemie CSAV)

TITLE: Interaction of gases with metal surfaces

SOURCE: Chemické listy, no. 11, 1965, 1277-1294

35
B

TOPIC TAGS: metal surface, adsorption, adhesion

ABSTRACT: Contact between the molecules of a gas and a metal surface can result either in a rebound of the gas molecule or in its adsorption on the metal surface. The factors influencing this mechanism are the geometry of the molecules and the relationship between the electronic structure of the molecules. A Table showing activities of certain metals towards some gases is shown. The mechanism of the adsorption is discussed and equations used for the derivation of the accommodation coefficients of the gases on metal surfaces are presented. Determination of the coefficient of adhesion is described. Experimental methods for the evaluation of the adsorption coefficient are evaluated. The coefficient of the probability of gas adhesion is discussed. Mutual relationship between the coefficients that were discussed are evaluated. Orig. art. has: 7 figures, 21 formulas and 5 tables. [JPRS]

SUB CODE: 11, 07, 20 / SUM DATE: none / SOV REF: 004 / OTH REF: 085

Card 1/1 me

0975

1372

A 311.0001 AP4049805

10, 20, and 150 kg, and the numbers of covering layers were 6, 8, and 10. It was
obtaining high quality and better than the new types of materials.

Waved profiles should be used instead of the usual two-pitch wheels. The improve-
ments in the automobiles will call for an increase in the tractive quality and the
maneuverability of the vehicle.

ACCELERATION: NAMI

SUBMITTED: 00

ENCL: 00

SUB CODE: IE

NO REF SOV: 001

OTHER: 000

Card 4/8

ACCESSION NR: AT5009460

ASSOCIATION: Technical University, Dresden

1. SUBMITTED: 00

ENCL: 03

2. REF. COV: 000

OTHER: 002

SUB CODE: ID, GP

3

Card 3/5

ACCESSION NR: AT5009460

ENCLOSURE: 02

0

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320015-8

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320015-8"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320015-8

Cond 5/8

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320015-8"

KNORING, L.D.

Density of fractures as a measure of stress. Dokl. AN SSSR
164 no.1:164-167 8 '65. (MIRA 18:9)

1. Vsesoyuznyy neftyanoy nauchno-issledovatel'skiy geologorazvedochnyy
institut. Submitted May 17, 1965.

KALACHEVA, V.N.; KNORING, L.D.

Fractured oil and gas reservoirs of the prospective horizons of the Lower Cambrian of the Irkutsk asphitheat. Biul.nauch.-tekh.inform VIMS no.1:3-7 '63. (MIRA 18:2)

1. Vsesoyuznyy neftyanoy nauchno-issledovatel'skiy geologorazvedochnyy institut, Leningrad.

SMEKHOV, Ye.M., prof., doktor geol.-mineral. nauk; BULACH, M.Kh.;
ROMM, Ye.S.; POZINENKO, B.V.; GORYUNOV, I.I.; KNORING, L.D.;
GMID, L.P.; GROMOV, V.K.; KUZNETSOV, Yu.I.; DOROFYEVA, T.V.;
KALACHEVA, V.N.; KLEYNOV, Yu.P.; TATARINOV, I.V.;
IONINA, I.N., vedushchiy red.; YASHCHURZHINSKAYA, A.B.,
tekhn. red.

[Combined investigations of fractured reservoirs and ~~the~~
experience in estimating the petroleum reserves contained
therein.] Kompleksnye issledovaniya treschimnykh kollektorov
i opyt podscheta v nikh zapasov nefli. Leningrad, Gos-
tekhizdat, 1963. 198 p. (Leningrad. Vsesoiusnyi neftianoi
nauchno-issledovatel'skii geologorazvedochnyi institut.
Trudy, no.214) (MIRA 17:1)

KNORING, L.D.

Studying certain moments in the meso- and neo-formation of
tectonic fracture. Trudy VNIGRI no. 18:221-240 '64
(MIRA 17:6)

KNORING, L.D., BELONIN, M.D.

Comparison criteria for rose curves. Truly VNIGRI no. 228:249-
260 '64 (MIRA 17:8)

KNORINA M.

GENERAL

PERIODICALS: VESTIS, NO. 8, 1958

KNORINA, M. Vilis Knorins; a short biographic sketch. p. 129.

Monthly list of East European Accessions (KEAI) LC, VOL. 8, No.2
February 1959, Unclass.

KNORINA, M.V.

Natural monuments. Okhr. prir. i zapov. delo v SSSR no.6:102-110
'60. (MIRA 14:5)

(Natural monuments)

SMIRNOV, Ye. M., prof.; BULACH, M.Kh., kand. geol.-mineral. nauk;
 ROMAN, Ye.S.; GORUNOV, I.I.; GIMID, L.P.; GROMOV, V.K.;
 DOROFYEVA, T.V.; KNORING, L.D.; KALACHEVA, V.N.; TATARINOV,
 I.V.; KLEYNOBOV, Yu.F.; KAPLAN, M.Ye.; ZVONITSKAYA, I.V.;
 MAZURKEVICH, S.I.; DRYABINA, N.N.; RUSAKOVA, L.Ya., vedushchiy
 red.; BARANOVA, L.G., tekhn. red.

[Methodological text on the study of the fracturing of rocks
 and fractured oil and gas reservoirs]. Metodicheskoe posobie
 po izucheniiu treshchinovosti gornyykh porod i treshchinnykh
 kollektorov nefti i gaza. Leningrad, Gostoptekhnizdat, 1962.
 76 p. (Leningrad, Vsesoiuznyi neftianoi nauchno-issledovatel'-
 skii geologorazvedochnyi institut. Trudy, no.201).

(MIRA 16:4)

(Joints(Geology)) (Oil sands)

KNORIM, L.D.

Isolation of the system of fractures by the vector method. Study
VINIGRI no.193:192-218 '62. (MIRA 15:12)
(Vector analysis) (Joints (Geology))

L 25558-66 (N) INT(d)/INT(m)/SEP(h)/INT(l) TT/NE

ACC NR

AI6004767

Monograph

UR/

Author: Semen Davydovich Pavlov, Yekaterina Aleksandrovna; Filippov, Maksim Valentinovich; Imakov, Vladimir Stepanovich, Shumov, Valentin Mikhailovich

Floating flexible vessels for the transportation of petroleum products; problems of durability and hydrodynamics, and theory and methods of calculation (Plavuchiye elastichnyye yemkosti dlya transportirovki nefteproduktov; voprosy prochnosti i gidrodinamiki, teoriya i metody rascheta) Leningrad, Izd-vo "Sudostroyeniye", 1969. 223 p. illus., biblio. 1,250 copies printed

TOPIC TAGS: ocean transportation, inland vessel data, merchant vessel data, cargo ship, solid statics, hydrodynamics

PURPOSE AND COVERAGE: The book presents the results of investigations of the strength and speed of new means of transportation--floating elastic vessels--intended for the transportation of petroleum products and other liquid loads on sea and inland waterways. Experience and design of manufacture of such vessels, accumulated in Soviet and foreign shipbuilding is described. Practical methods for calculating the strength and speed of floating elastic vessels under all principal operating conditions are given. Recommendations on the design and construction of such vessels are presented. The bulk of the investigations reported were made by the authors and are published for the first time. The book is intended for engineering-technical workers in design offices and in the shipbuilding industry, and can also be used by students of shipbuilding institutes and faculties. Authors thank N. P. Syrov, A. L. Koshevoy, B. I.

Card 1/2

UDC: 629.12.011.17